2176

OIPE
JUN 28 2002
PATENT & TRADEMARK OFFICE

PATENT APPLICATION
STL000013US1/0920.0044C

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the PATENT application of

Baer, et al.

Serial No.: 09/489,576 Group Art Unit: 2176

Filed: January 21, 2000 Examiner: Unknown

For: Method and System for Adding Content to a Content Object Stored in a Data Repository

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TRANSMITTAL LETTER

Sir:

Transmitted herewith for filing in the above-identified application is a Submission of Formal Drawings with 34 sheets of formal drawings.

The Commissioner is hereby authorized to charge payment of any additional fees required for the above-identified application or credit any overpayment to Deposit Account No. 05-0460.

Respectfully submitted,

J. Warren Lytle, Jr.
Registration No. 39,283

Hand Delivered: June 28, 2002

#8

PATENT APPLICATION
STL000013US1/0920.0044C

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the PATENT application of

Baer, et al.

Serial No.: 09/489,576 Group Art Unit: 2176

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SUBMISSION OF FORMAL DRAWINGS

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Sir:

Submitted herewith are thirty-four (34) sheets of formal drawings for the above-identified patent application.

Respectfully submitted,

J. Warren Lytle, Jr.
Registration No. 39,283

EPSTEIN, EDELL, SHAPIRO, FINNAN & LYTLE, LLC
1901 Research Blvd., Suite 400
Rockville, Maryland 20850-3164
(301) 424-3640
Hand-delivered: June 28, 2002

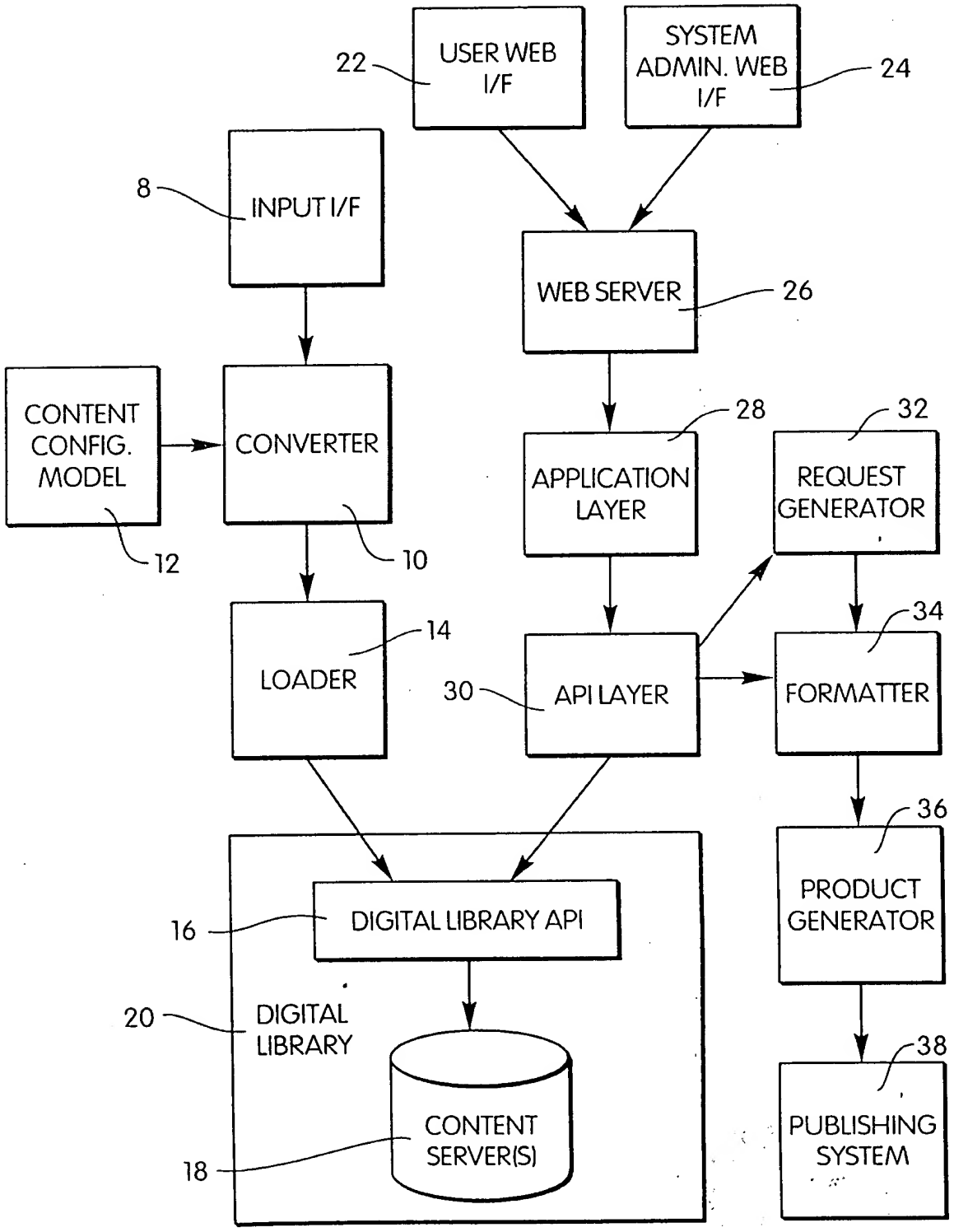

USER WEB I/F
22
SYSTEM ADMIN. WEB I/F
24
INPUT I/F
8
WEB SERVER
26
CONTENT CONFIG. MODEL
CONVERTER
12
10
APPLICATION LAYER
28
REQUEST GENERATOR
32
LOADER
14
API LAYER
30
FORMATTER
34
DIGITAL LIBRARY API
16
PRODUCT GENERATOR
36
DIGITAL LIBRARY
20
CONTENT SERVER(S)
18
PUBLISHING SYSTEM
38

FIG. 1

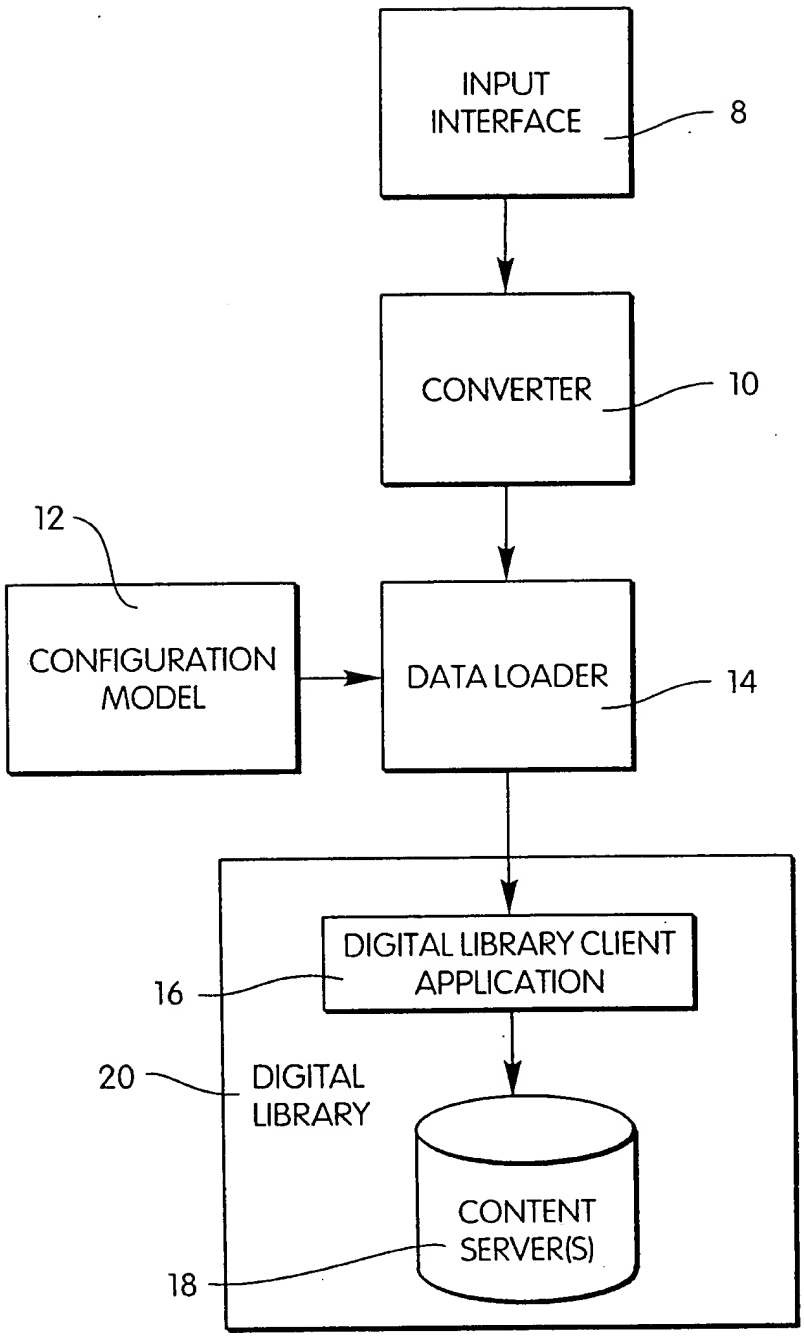

INPUT INTERFACE
8
CONVERTER
10
12
CONFIGURATION MODEL
DATA LOADER
14
DIGITAL LIBRARY CLIENT APPLICATION
16
20
DIGITAL LIBRARY
CONTENT SERVER(S)
18

FIG. 2

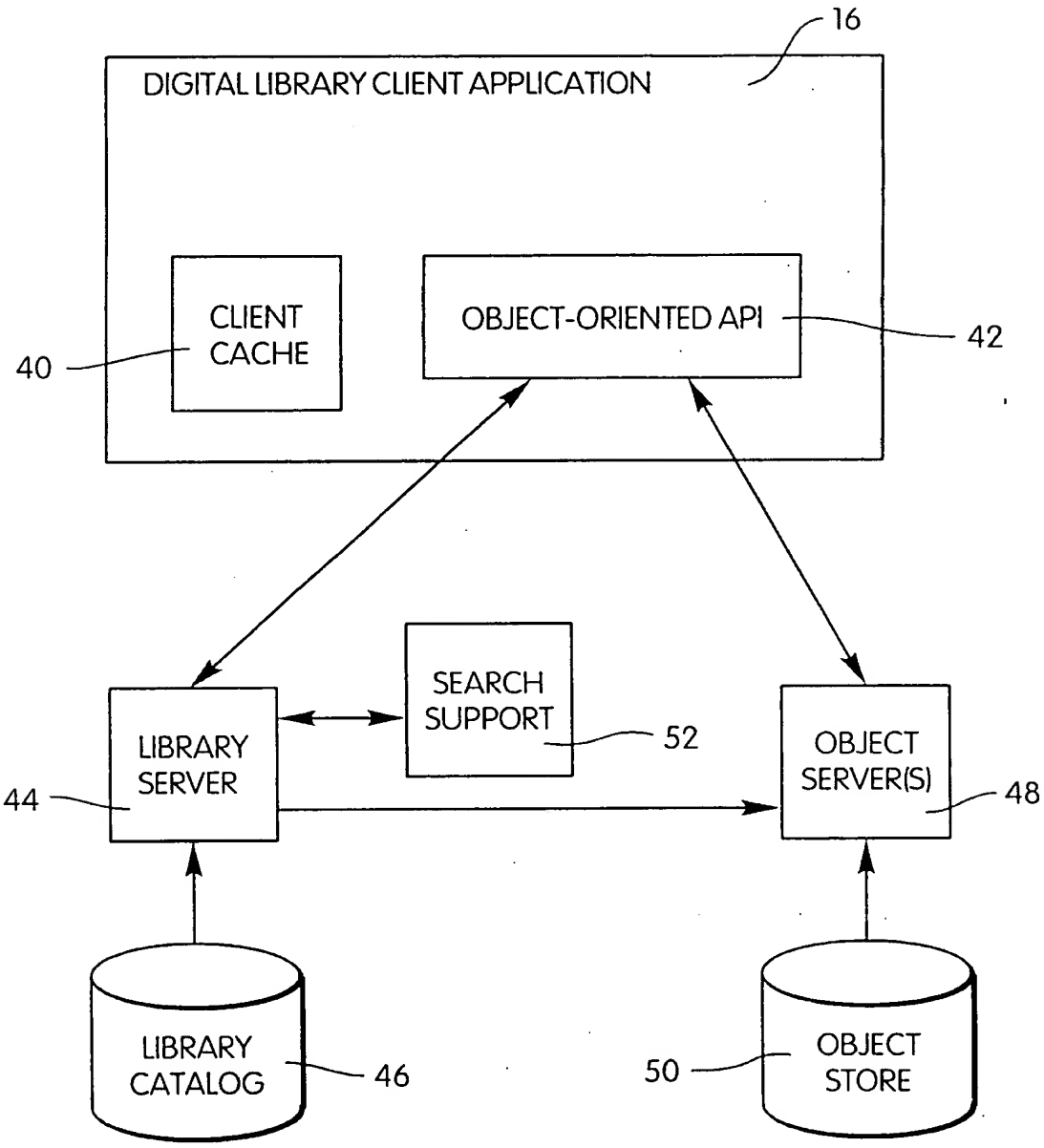

16
DIGITAL LIBRARY CLIENT APPLICATION
CLIENT CACHE
40
OBJECT-ORIENTED API
42
SEARCH SUPPORT
52
LIBRARY SERVER
44
OBJECT SERVER(S)
48
LIBRARY CATALOG
46
50
OBJECT STORE

FIG. 3

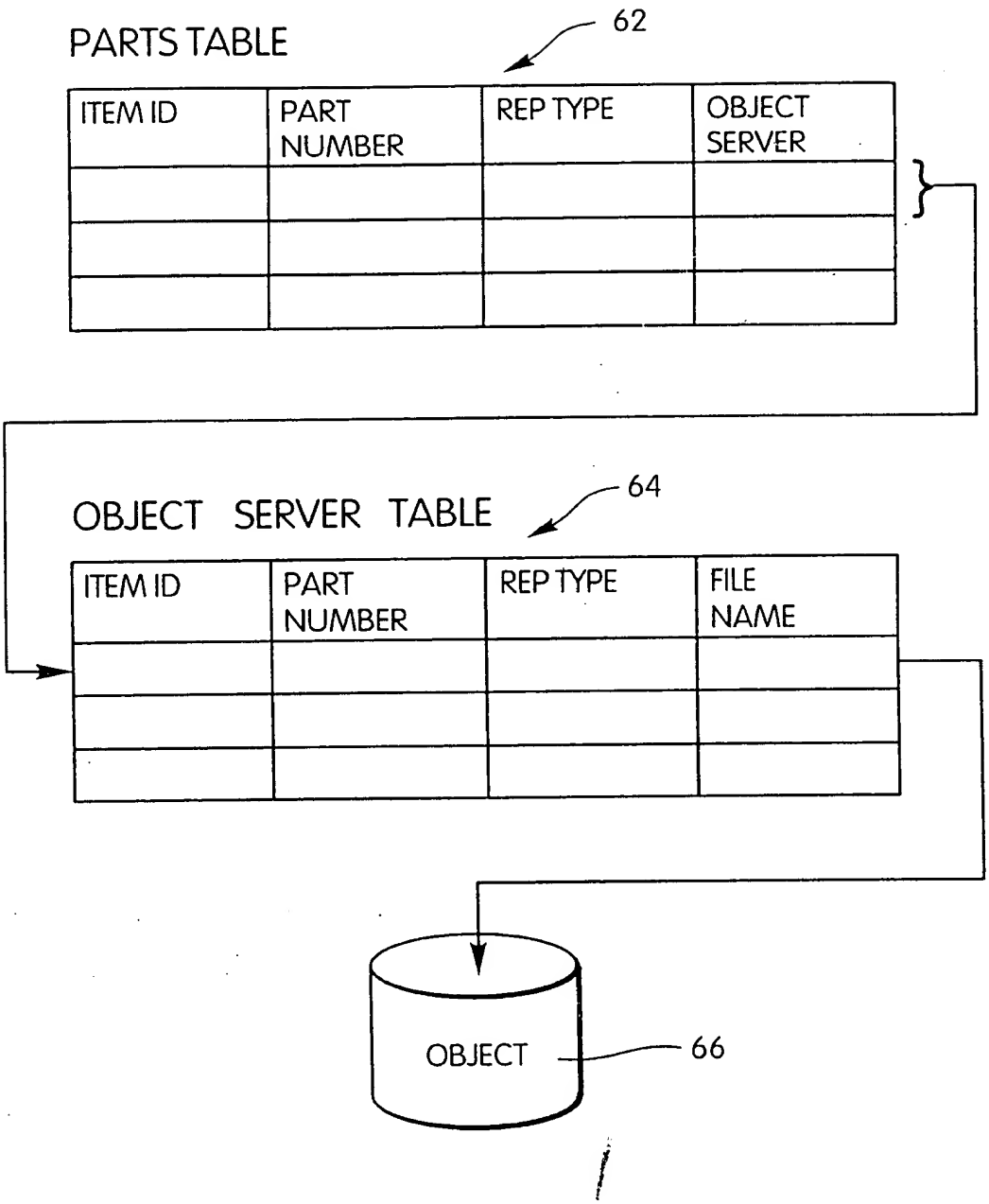

PARTS TABLE
62
ITEM ID
PART NUMBER
REP TYPE
OBJECT SERVER
OBJECT SERVER TABLE
64
ITEM ID
PART NUMBER
REP TYPE
FILE NAME
OBJECT
66

FIG. 4

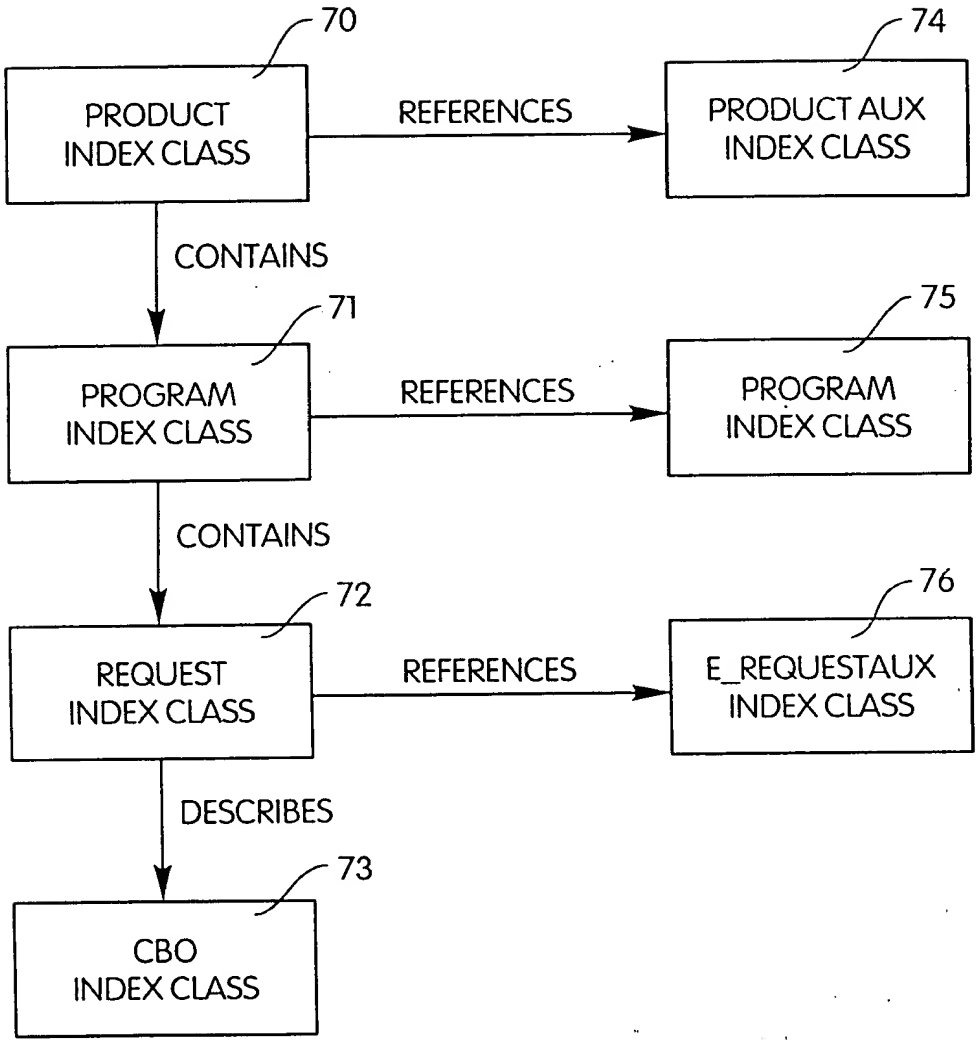

70
PRODUCT INDEX CLASS
REFERENCES
74
PRODUCT AUX INDEX CLASS
CONTAINS
71
PROGRAM INDEX CLASS
REFERENCES
75
PROGRAM INDEX CLASS
CONTAINS
72
REQUEST INDEX CLASS
REFERENCES
76
E_REQUESTAUX INDEX CLASS
DESCRIBES
73
CBO INDEX CLASS

FIG. 5

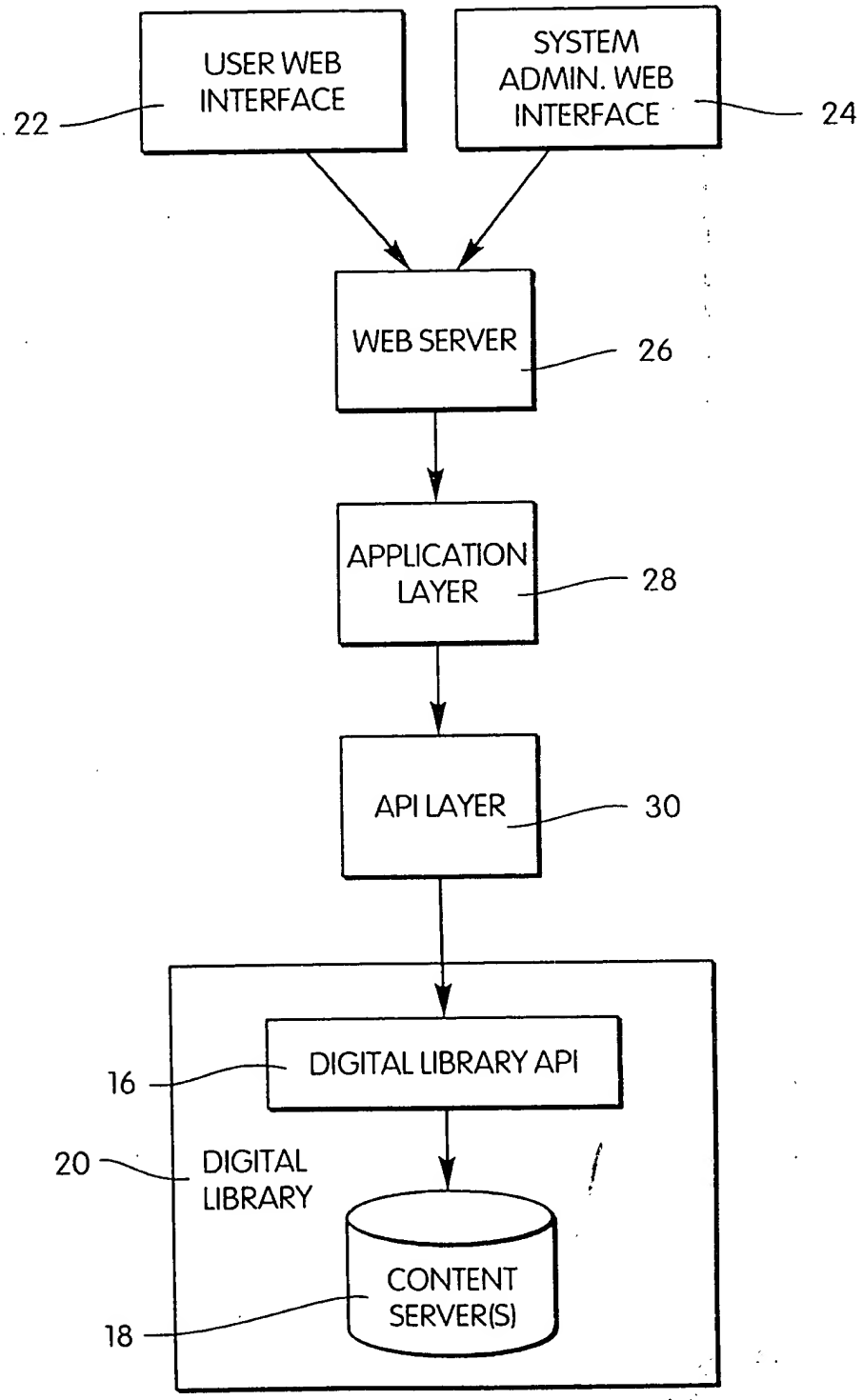

USER WEB INTERFACE
22
SYSTEM ADMIN. WEB INTERFACE
24
WEB SERVER
26
APPLICATION LAYER
28
API LAYER
30
DIGITAL LIBRARY API
16
20
DIGITAL LIBRARY
CONTENT SERVER(S)
18

FIG. 6

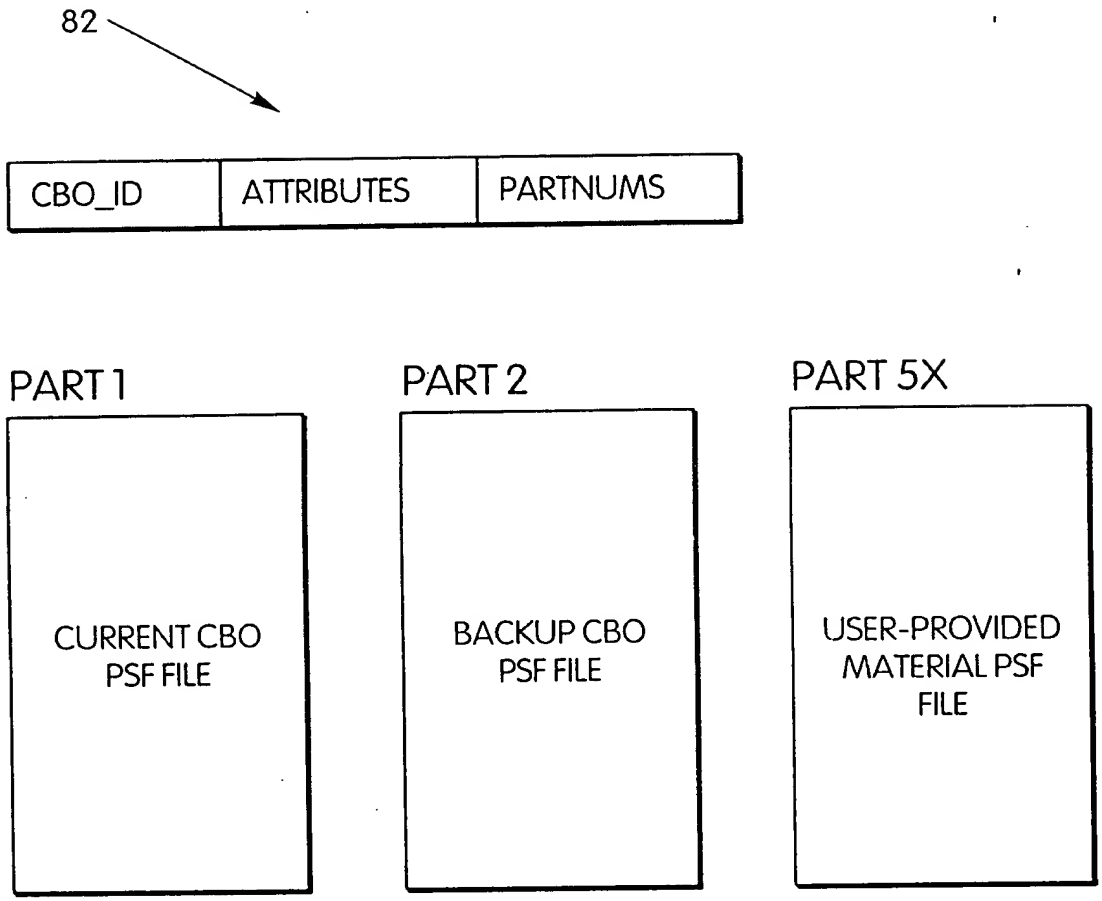
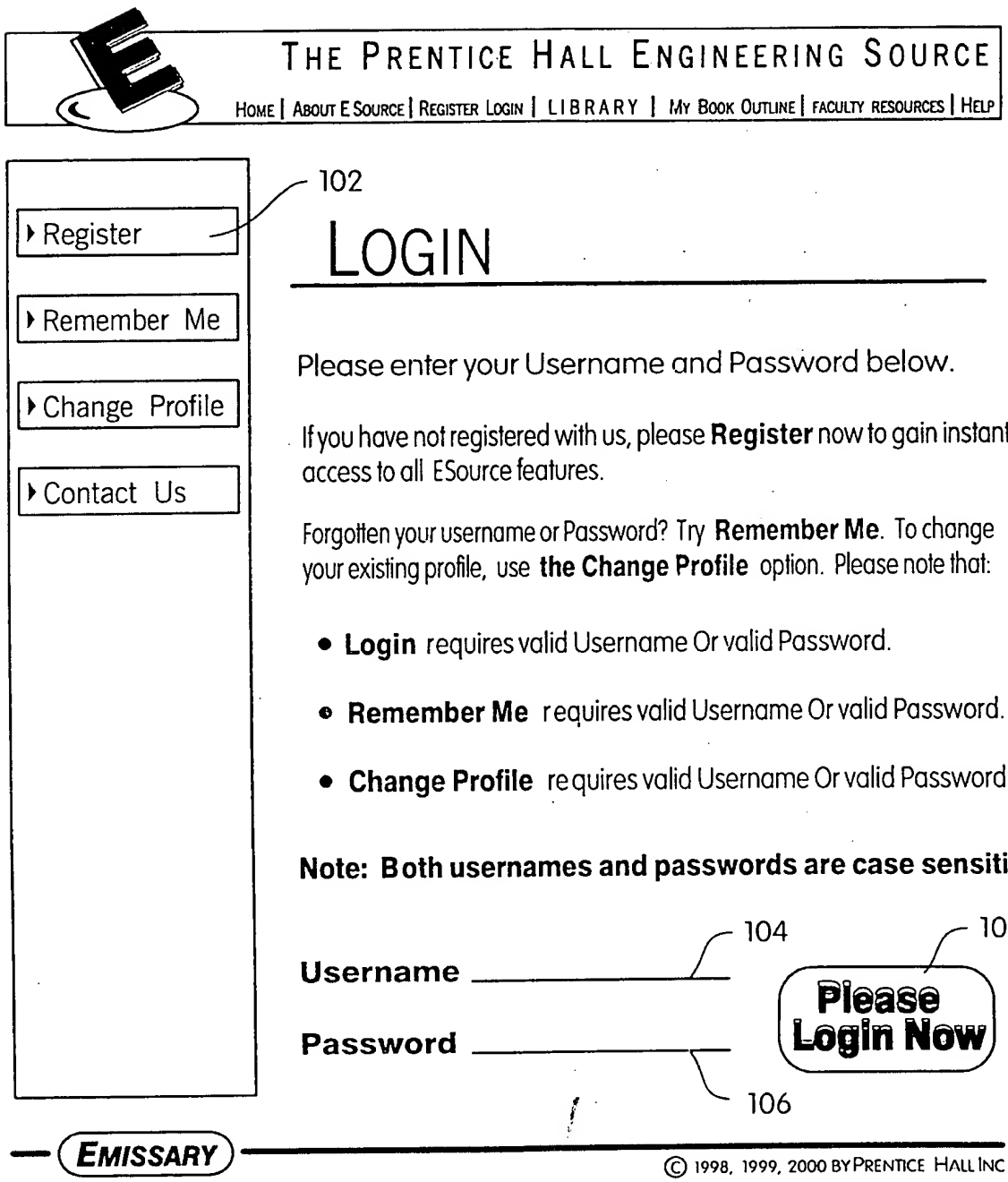

82
CBO_ID
ATTRIBUTES
PARTNUMS
PART 1
CURRENT CBO PSF FILE
PART 2
BACKUP CBO PSF FILE
PART 5X
USER-PROVIDED MATERIAL PSF FILE

FIG. 7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Forgotten your username or Password? Try Remember Me. To change your existing profile, use the Change Profile option. Please note that:
• Login requires valid Username Or valid Password.
• Remember Me requires valid Username Or valid Password.
• Change Profile requires valid Username Or valid Password.
Note: Both usernames and passwords are case sensitive
104
108
Username
Password
Please Login Now
106
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FIG. 8A

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Registration, Page 3 of 3

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* Address Line 2
* Address Line 3
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In order to assist you in remembering your profile in the future please provide us with a Secret Word Type (description or hint) and a Secret Word. You will be able to see this category in the future by providing your email address or Username.

* Secret Word Type

For example : Mothers Maiden Name, City of Birth

* Secret Word
* Secret Word (Verify)

Continue 110

FIG. 8B

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University: ingridf@us.ibm.com
Department: J46

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Santa Teresa, CA 95141
United States

Phone:

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Secret Word: *****

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To begin using Esource please login with your new Username and Password. Please contact your Prentice Hall Representative if you experience any difficulty.

Please Login Now — 112

FIG. 8C

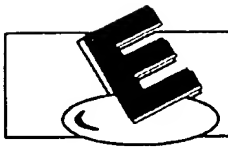

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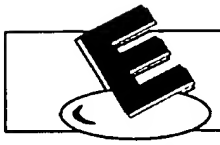
FIG. 9A



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Department	Body Building
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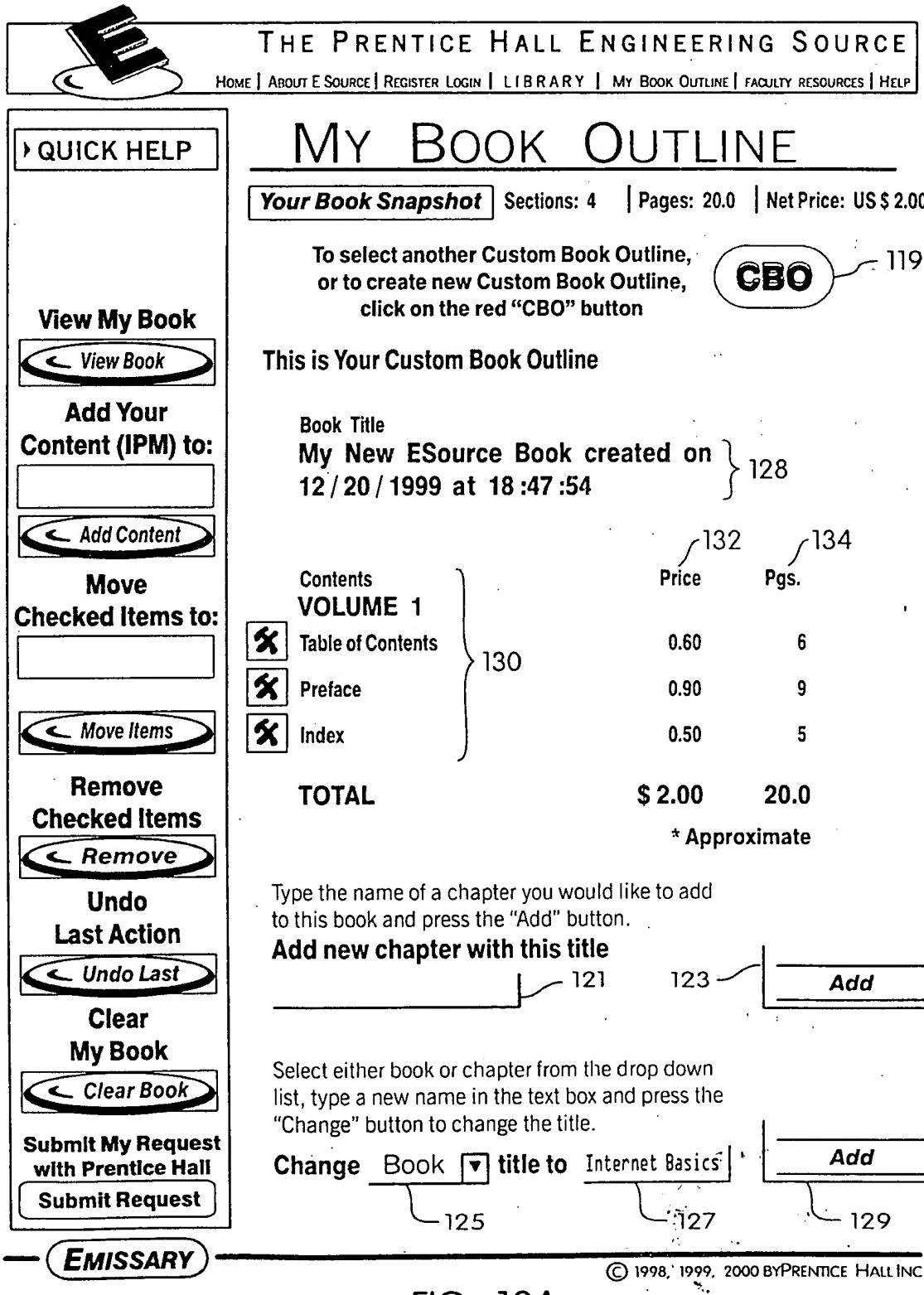
116	New Custom Book	07/27/1999	Rejected	ESOU001051
CBO	Boys don't cry	10/28/2000	Submitted	ESOU001057
CBO	What do you mean?	09/02/1999	Completed	ESOU002051
CBO	Flash, I love you	09/02/1999	Completed	ESOU001058
CBO	He'd save everyone one of us	08/19/1999	Approved	ESOU002009
CBO	12 hours to save the earth	09/23/1999	Completed	ESOU002373
CBO	Holy Smokes Bateman	07/23/1999	Active	N/A
CBO	A Really Really Really Long Long Long Long Long Long Long Long Long Long Long Long Long Long Long Long Long Long	07/23/1999	Active	N/A

114

115

CBO — 118

FIG. 9B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Add Your Content (IPM) to:
Add Content
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Move Items
Remove Checked Items
Remove
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Undo Last
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119
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128
Contents
VOLUME 1
Table of Contents
Preface
Index
130
Price
132
Pgs.
134
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6
0.90
9
0.50
5
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$ 2.00
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Add new chapter with this title
121
123
Add
124
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Change Book title to Internet Basics
125
127
Add
129
126
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Introduction to the Internet

Scott D. James

146

Contents (142)	Price	Pgs.*
CHAPTER 1: Introduction to the Internet		
1.1 History	0.14	1.4
1.2 Internet Culture	0.06	0.6
1.3 Internet Netiquette	0.16	1.6
1.4 Advantages and Disadvantages of the Internet	0.26	2.6
1.5 Technical Issues	0.25	2.5
CHAPTER 2: E-Mail and Finding Addresses		
CHAPTER 3: Mailing Lists and UseNet News		
CHAPTER 4: Telnet, FTP, and Locating Files		
CHAPTER 5: Gopher and WAIS		
CHAPTER 6: The World Wide Web and HTML		
CHAPTER 7: Live Communications on the Internet (148)		
7.1 The Talk Program	0.11	1.1
7.2 IRC: Internet Relay Chat	0.36	3.6
7.3 The Future of Live Communications	0.54	5.4
CHAPTER 8: Java		
CHAPTER 9: Computer Security and the Internet		
CHAPTER 10: Appendix		

141 145 144 143

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FIG. 12

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Contents	Price	Pgs.
VOLUME 1		
Table of Contents	0.60	6
Preface	0.90	9
CHAPTER 1: Introduction to the Internet — 146		
Sections/Objectives/Science/Engineering Spotlight: Computer-Integrated Manufacturing } 154	0.16	1.6
1.1 History	0.14	1.4
1.2 Internet Culture	0.06	0.6
1.3 General Netiquette	0.16	1.6
1.4 Advantages and Disadvantages of the Internet	0.26	2.6
1.5 Technical Issues	0.25	2.5
Summary/Key Terms — 154	0.02	0.2
CHAPTER 2: Live Communications on the Internet — 148		
Sections/Objectives/Science/Engineering Spotlight: Barcode Technologies } 154	0.06	0.6
2.1 IRC: Internet Relay Chat	0.36	3.6
2.2 The Future of Live Communications	0.54	5.4
Summary/Key Terms/Problems — 154	0.04	0.4
Index	0.50	.5
TOTAL	**$ 4.05**	**40.5**

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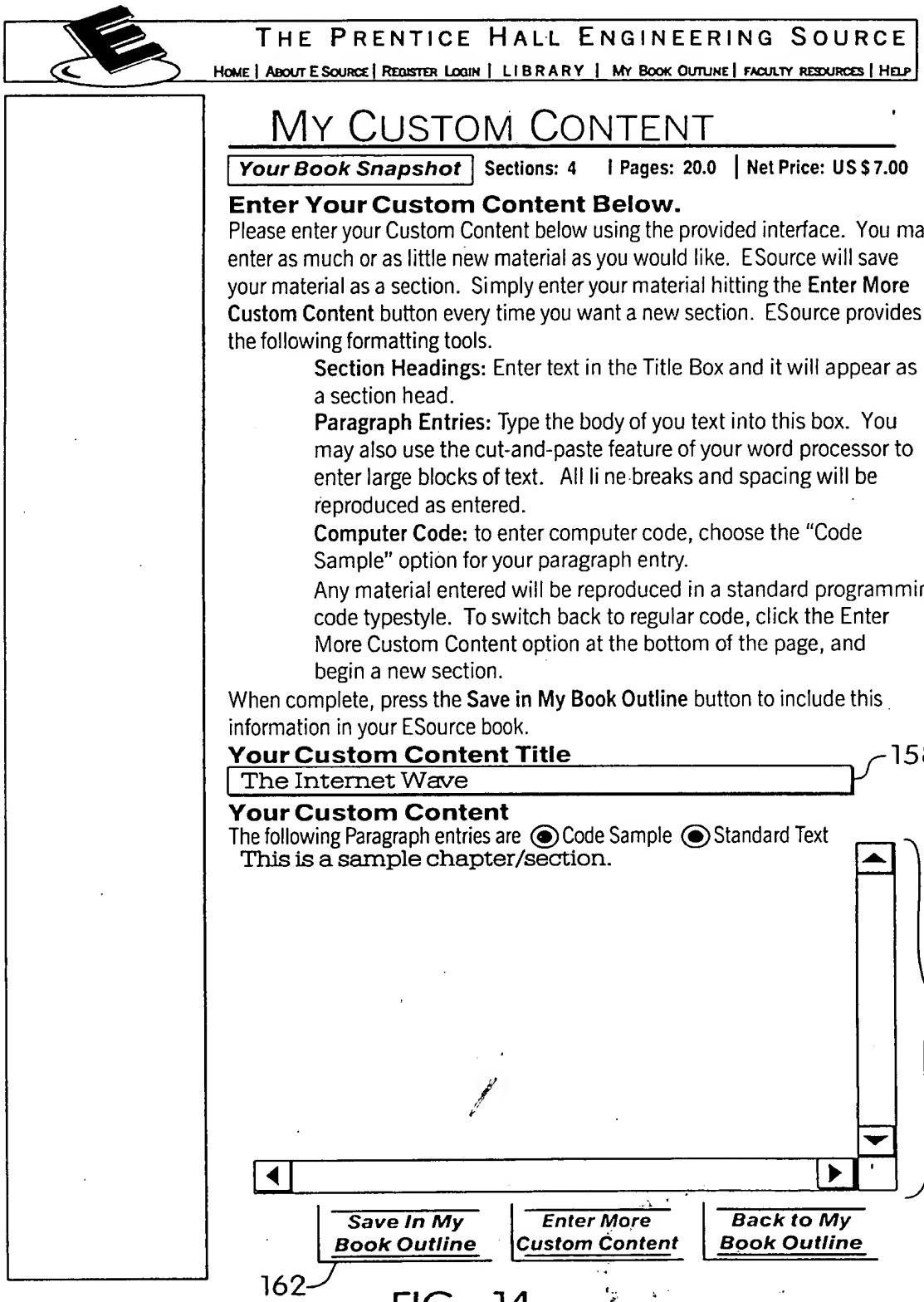
FIG. 13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When complete, press the Save in My Book Outline button to include this information in your ESource book.
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The Internet Wave
Your Custom Content
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160
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162

FIG. 14

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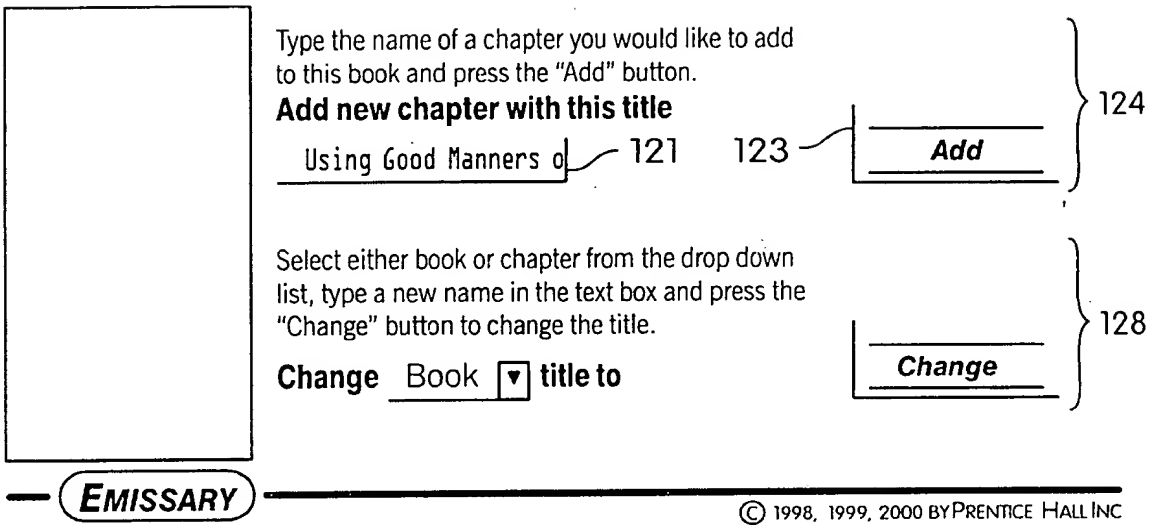
Sections/Objectives/Science/Engineering Spotlight: Computer-Integrated Manufacturing	0.16	1.6
1.1 History	0.14	1.4
1.2 Internet Culture	0.06	0.6
1.3 General Netiquette	0.16	1.6
1.4 Advantages and Disadvantages of the Internet	0.26	2.6
1.5 Technical Issues	0.25	2.5
Summary/Key Terms	0.02	0.2
CHAPTER 2: Live Communications on the Internet		
Sections/Objectives/Science/Engineering Spotlight: Barcode Technologies	0.06	0.6
2.1 IRC: Internet Relay Chat	0.36	3.6
2.2 The Future of Live Communications	0.54	5.4
Summary/Key Terms/Problems	0.04	0.4
CHAPTER 3: New Chapter		
Custom Content: The Internet Wave —164	n/a	0.0
Index	0.50	.5
TOTAL	**$ 9.04** *	**40.5**

* Approximate

FIG. 15A


Type the name of a chapter you would like to add to this book and press the "Add" button.
Add new chapter with this title
Using Good Manners o
121
123
Add
124
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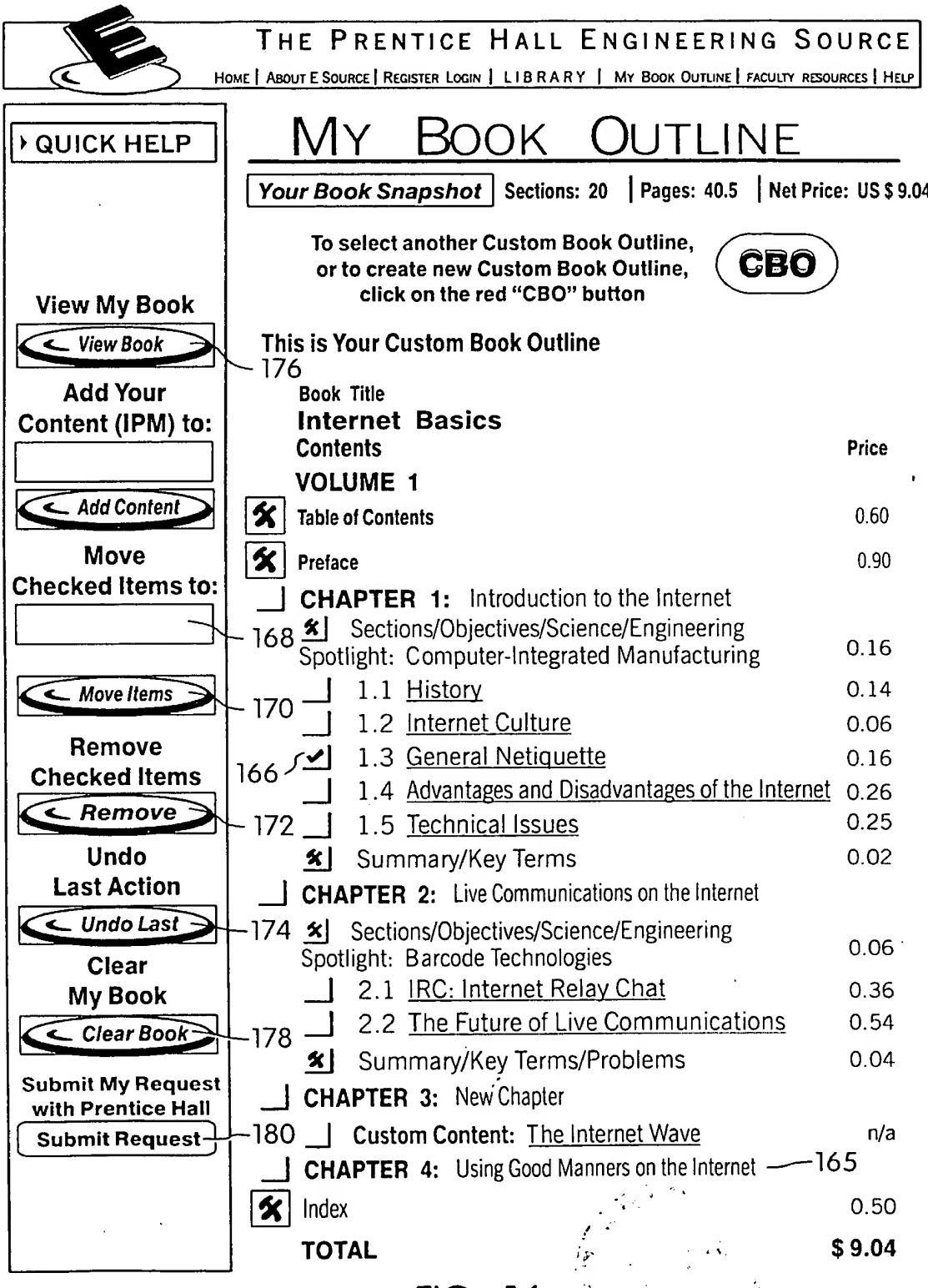
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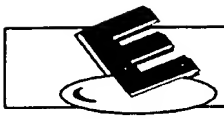

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[ ] 2.2 The Future of Live Communications	0.54	5.4
[x] Summary/Key Terms/Problems	0.04	0.4
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[ ] Custom Content: The Internet Wave	n/a	0.0
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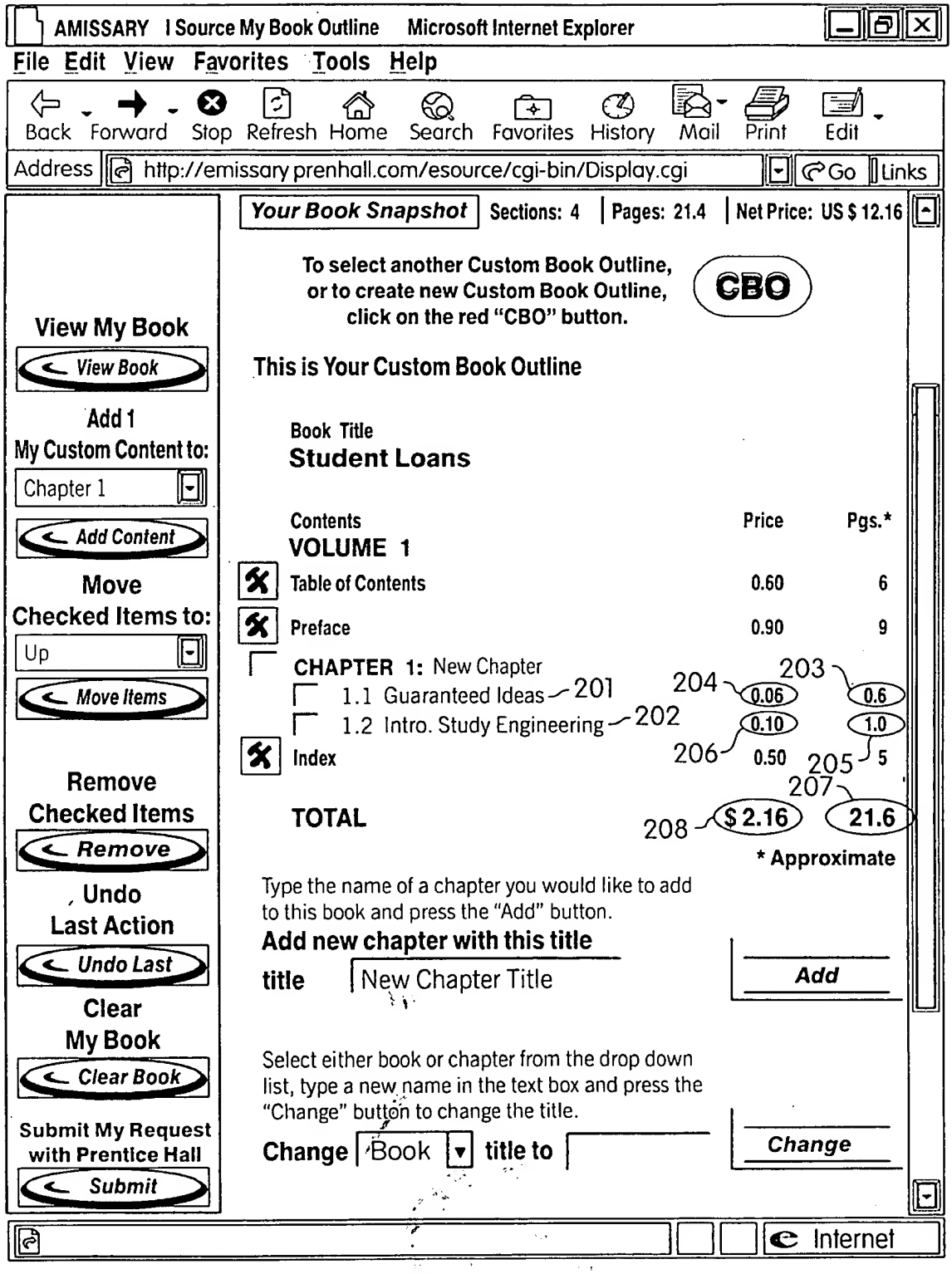
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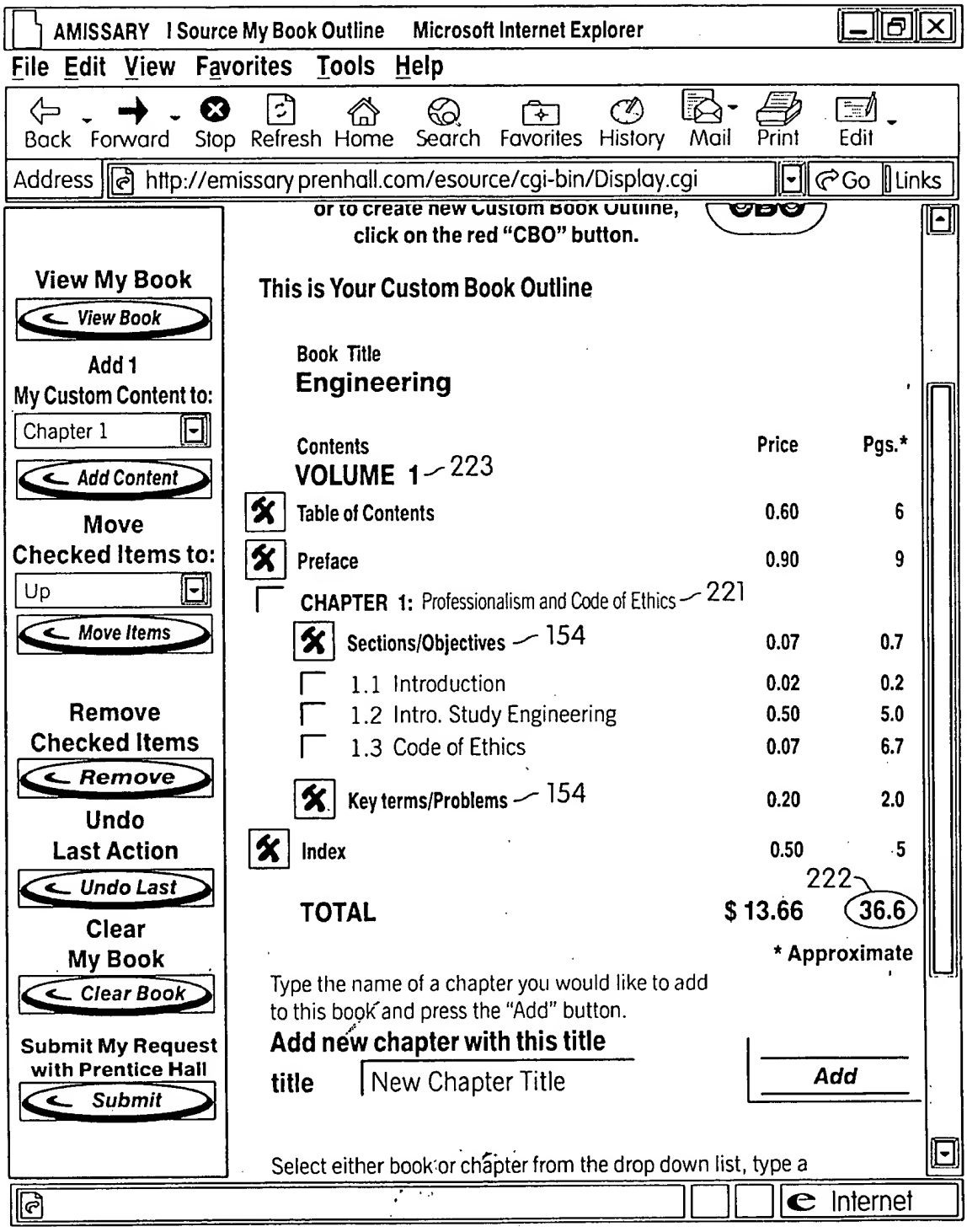
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1.3 Code of Ethics 0.07 6.7
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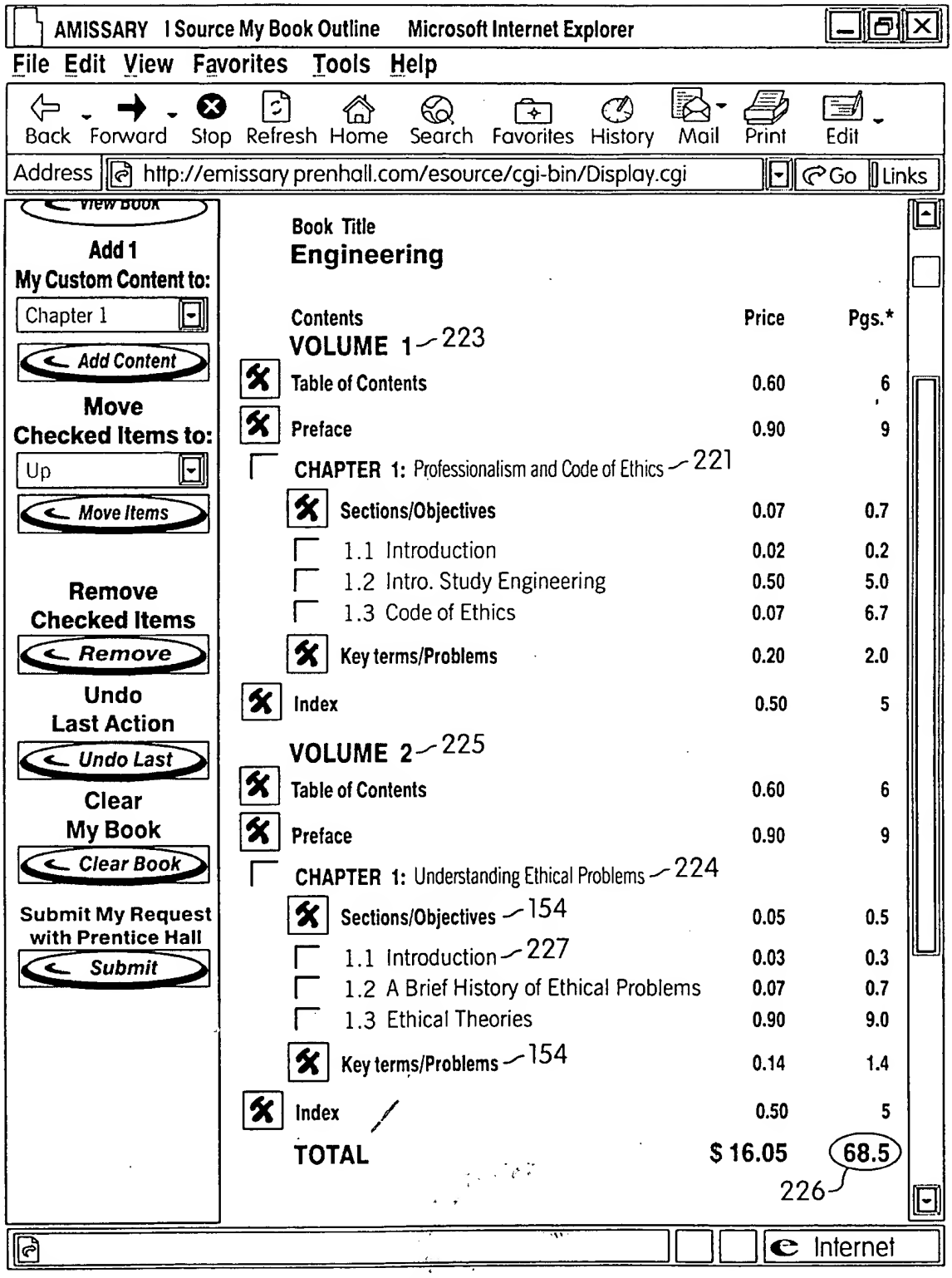
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Key terms/Problems 0.20 2.0
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VOLUME 2 225
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CHAPTER 1: Understanding Ethical Problems 224
Sections/Objectives 154 0.05 0.5
1.1 Introduction 227 0.03 0.3
1.2 A Brief History of Ethical Problems 0.07 0.7
1.3 Ethical Theories 0.90 9.0
Key terms/Problems 154 0.14 1.4
Index 0.50 5
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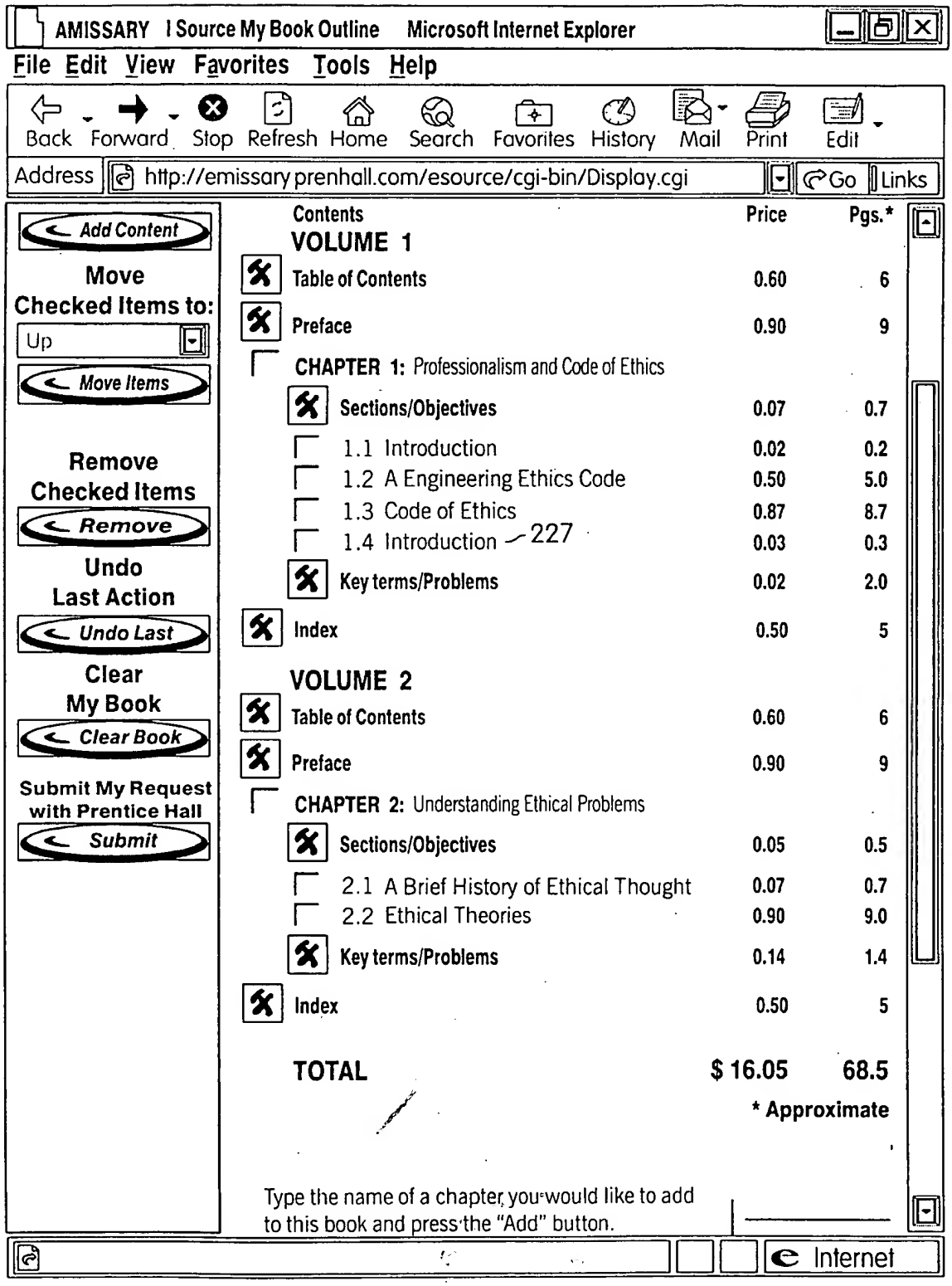
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Table of Contents 0.60 6
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CHAPTER 2: Understanding Ethical Problems
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2.1 A Brief History of Ethical Thought 0.07 0.7
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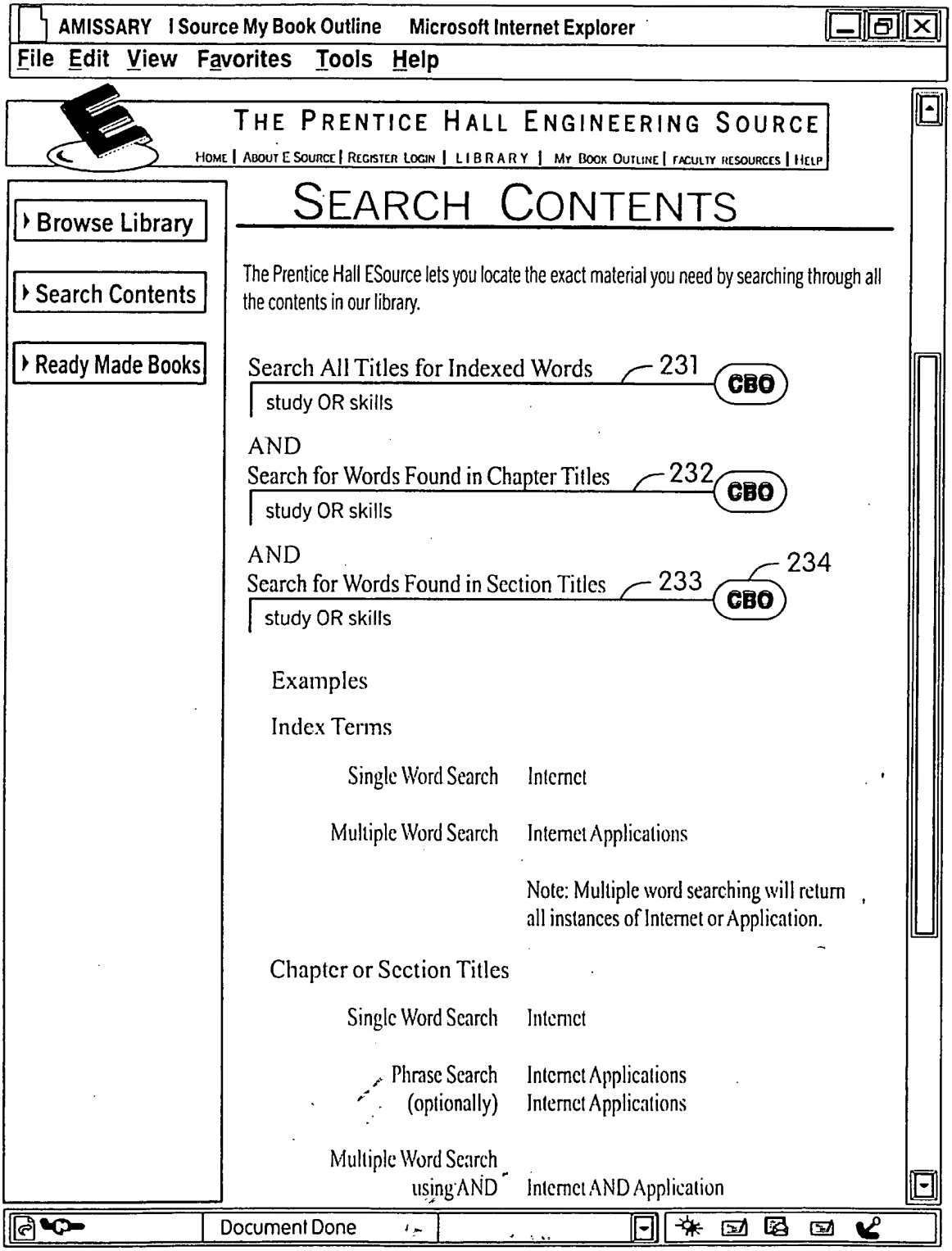
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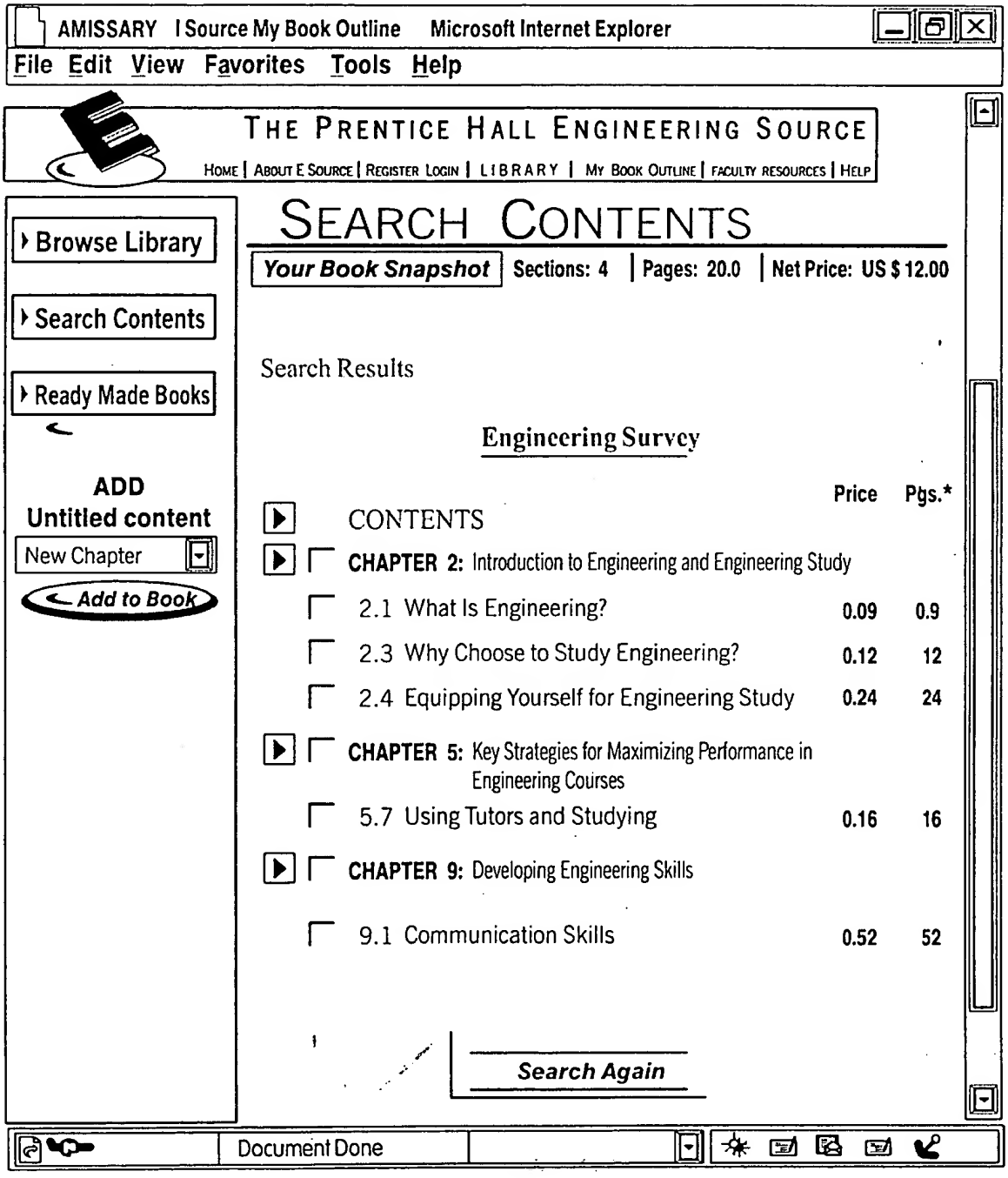
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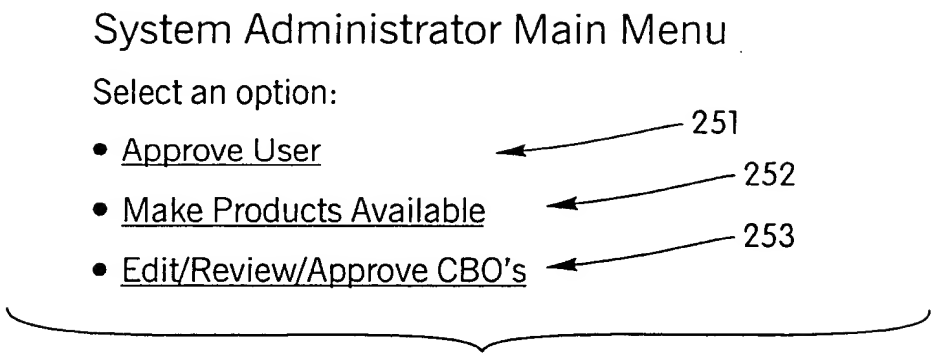

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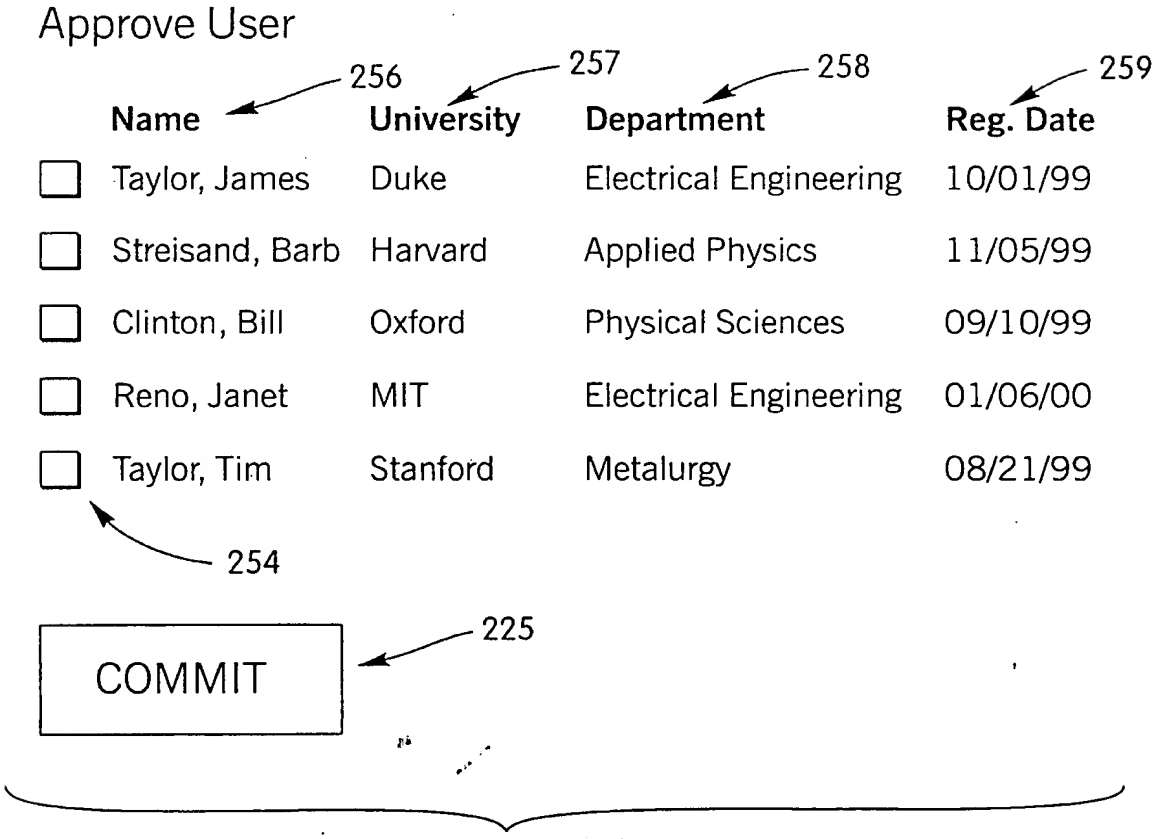

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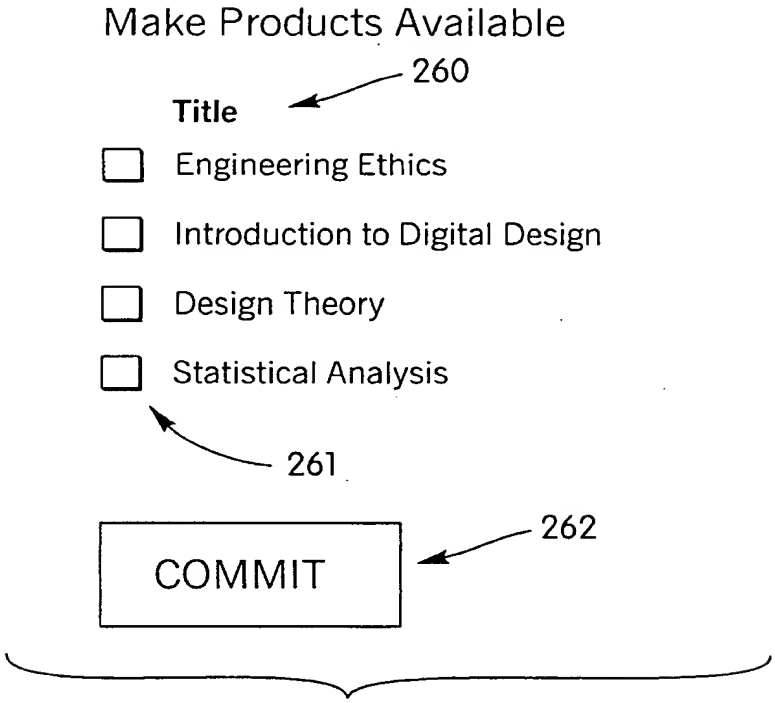

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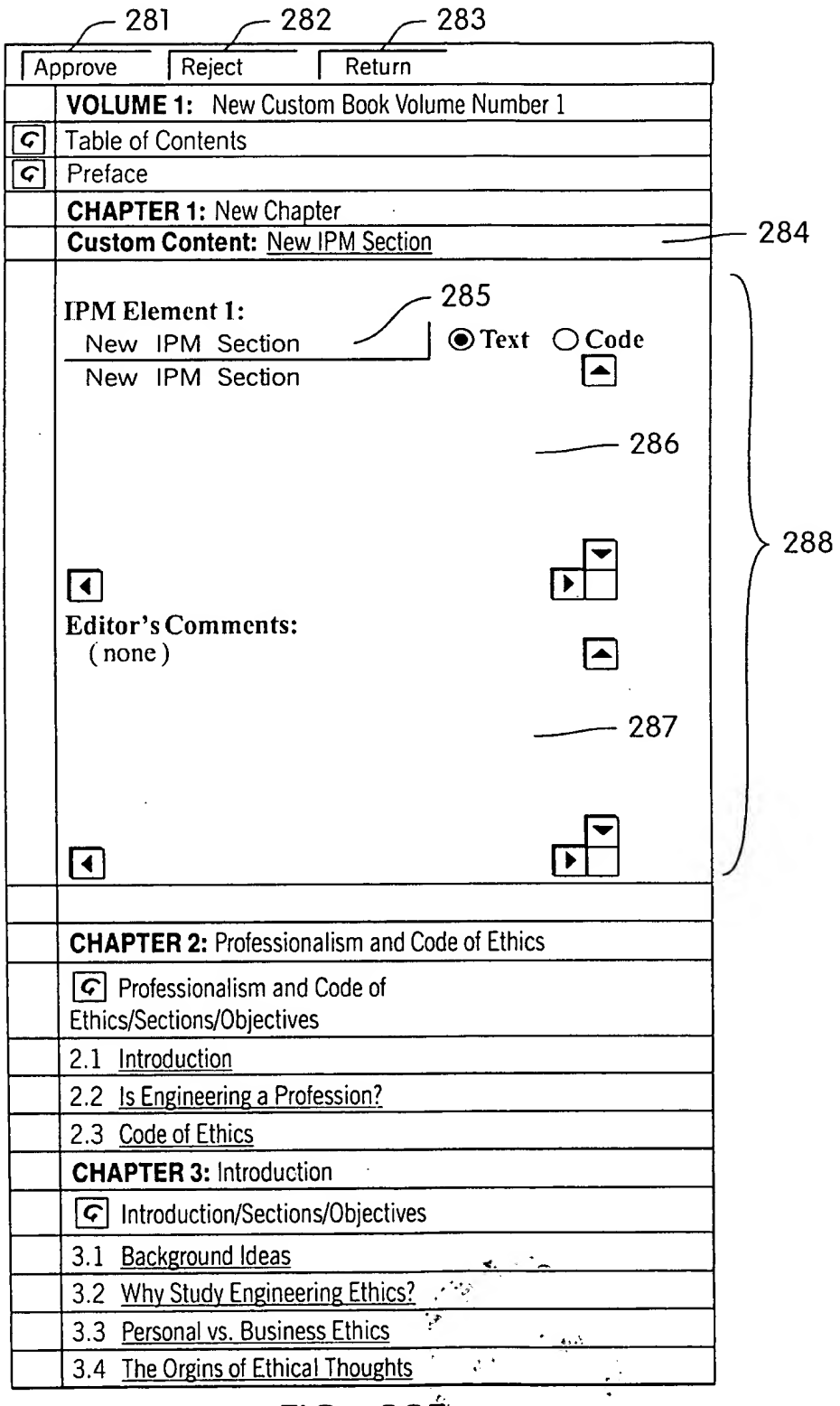
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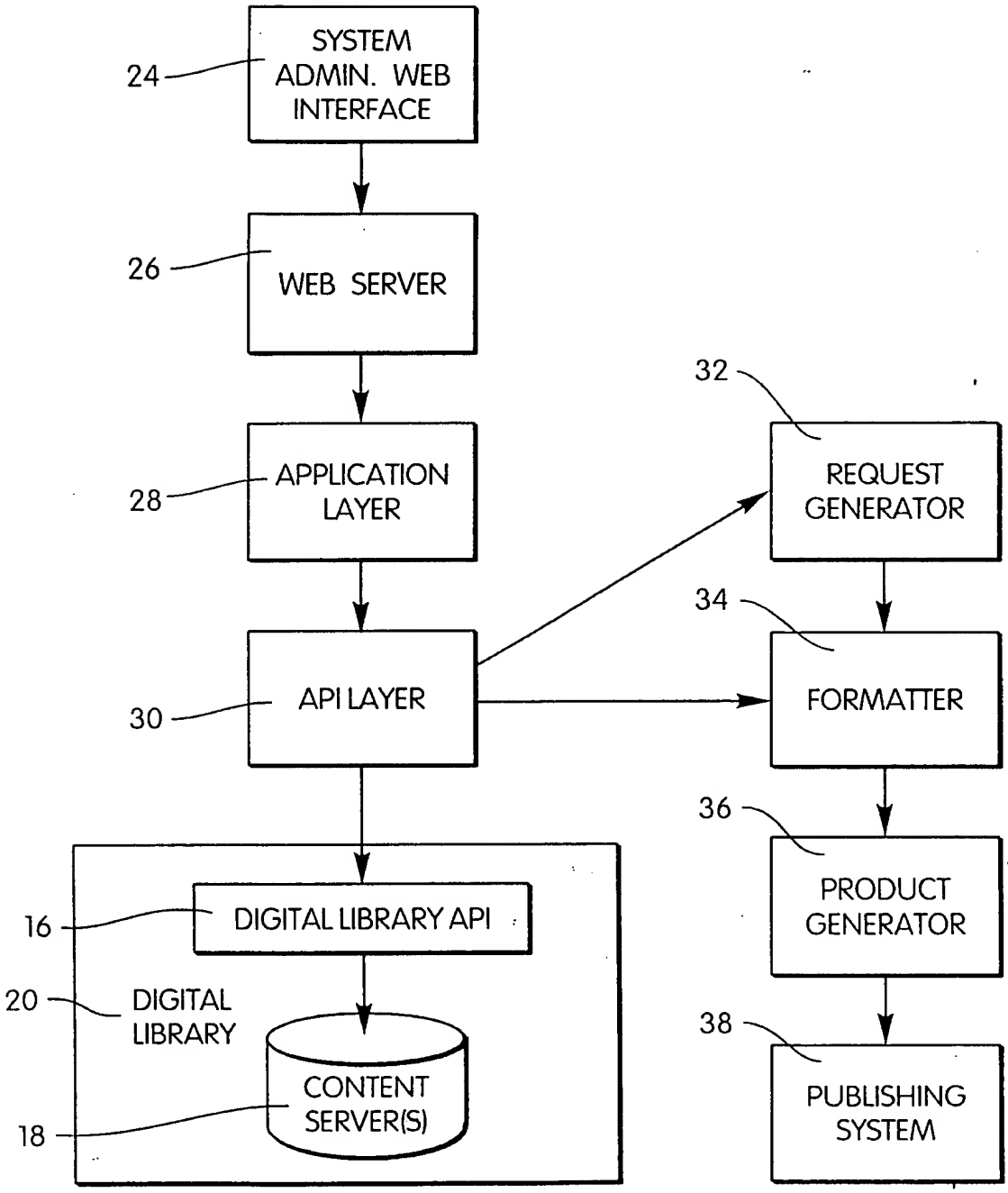
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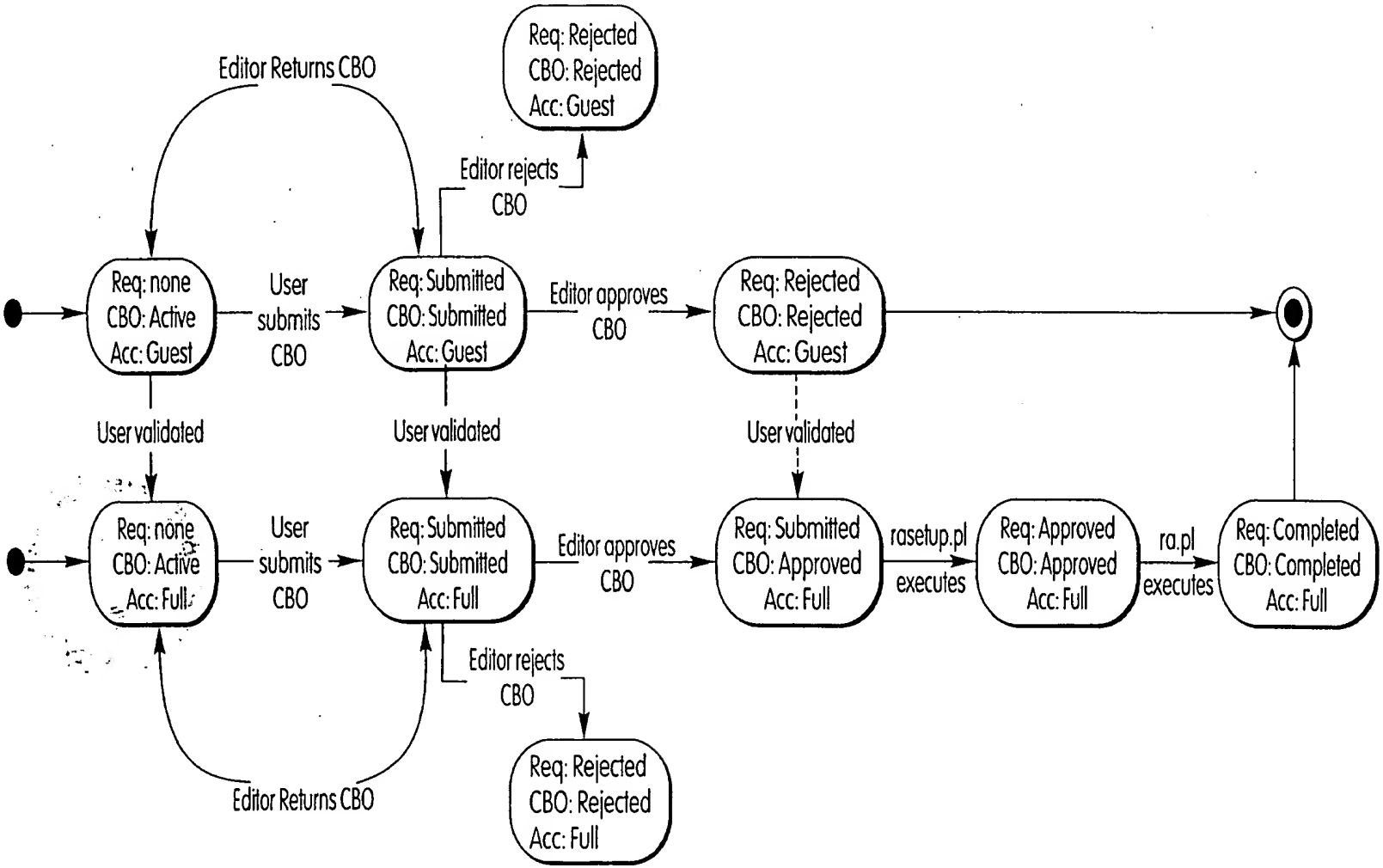
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Acc: Guest
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Req: Rejected
CBO: Rejected
Acc: Guest
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executes
Req: Completed
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Editor rejects
CBO
Editor Returns CBO
Req: Rejected
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FIG. 24